# NANOCYLINDER-MODIFIED SURFACES


## ABSTRACT

This invention provides surfaces having nanocylinders, such as carbon nanotubes, attached thereto through biomolecular interactions, devices made from assemblies of nanocylinder-modified surfaces, and methods for producing nanocylinder modified surfaces. A variety of biomolecular interactions may be used to attach the nanocylinders to the surfaces, including hybridization of complementary oligonucleotide sequences and receptor-ligand interactions.